



Experimental Gulf of Mexico HAB

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NOS/NCCOS

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Analysis

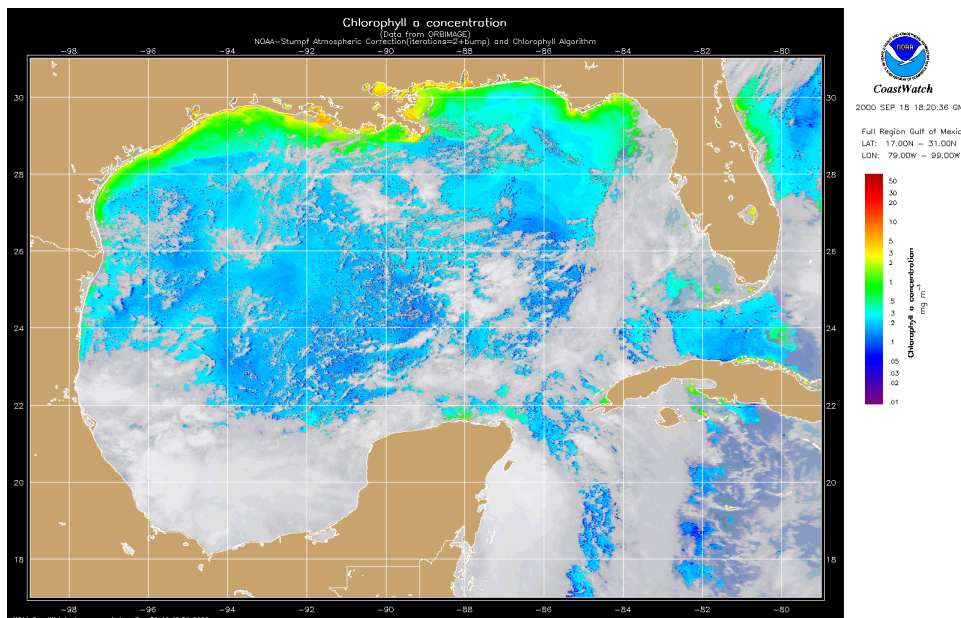
SW Florida: Field reported low concentrations of *G. breve* off Sanibel. No major blooms in area, although background chlorophyll concentrations are from 0.5 to 1 $\mu\text{g/l}$.

NW Florida: Initial bloom reported and documented at St. Joe Bay. Westward transport indicated Sep 18, which is consistent with field reports of spread to Destin (Choctawhatchee). Probable upwelling between Sep 14 and Sep 18.

Texas: A severe chlorophyll bloom had developed within 10 miles of shore from Galveston Island to Matagorda Peninsula (94d52' to 95d54'), between Sep 13 and Sep 18. Shelf background is ~0.5 - 0.8 $\mu\text{g/l}$. Within the band of 10 miles, concentrations increased 2 to 5-fold, and on Sept 18 were from 5 to 10 $\mu\text{g/l}$, highest near Matagorda. Given reports from Texas, this area should be viewed with concern.

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Wind speed and direction are averaged over twelve hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red vectors indicate that wind direction favors upwelling near the coast.

